



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D4148-3

Job Sheet 198580



Part No: D4148-3

Job Qty: 40 pcs

Part Name: Stud Receiver, Lower



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/31/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 9/9/19

Description:

Type: Stock

Note: DWG REV E SHEET 4 IPP REV:A NEW ISSUE 10-06-24 JLM VERIFIED BY:DD IPP REV:B 11.03.02 AS PER  
DWG REV.D DD VERF:EC IPP REV:C 13.08.21 DWG REV:E / ECN 13-624 DD VERF:JLM

Ship Via:

## Bill of Materials

## Job Routing

| Op<br>No | Operation         | Qty    | Start Date | Due<br>Date | Standard     |            | Workcenter/Supplier   |           | Sign-off           |
|----------|-------------------|--------|------------|-------------|--------------|------------|-----------------------|-----------|--------------------|
|          |                   |        |            |             | Setup<br>Hrs | Run<br>Hrs | Workcenter / Supplier | Lead Time |                    |
| 100      | Bandsaw - 1       | 40 pcs | 9/9/19     | 9/9/19      | 0.00         | 1.91       | Bandsaw - 1           |           | <i>ML 19/10/28</i> |
| 110      | HAAS 4 Axis - B4B | 40 pcs | 9/9/19     | 9/9/19      | 0.30         | 54.05      | HAAS - 1 - B4B        |           |                    |
|          |                   |        |            |             |              |            | HAAS - 2 - B4B        |           |                    |
|          |                   |        |            |             |              |            | HAAS - 3 - B4B        |           |                    |
|          |                   |        |            |             |              |            | HAAS - 4 - B4B        |           | <i>19-11-04</i>    |
| 120      | QC 2              | 40 pcs | 9/9/19     | 9/9/19      | 0.00         | 0.00       | QC 2 - 1              |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 12             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 14             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 17             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 19             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 2              |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 20             |           | <i>19-11-04</i>    |
|          |                   |        |            |             |              |            | QC 2 - 22             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 23             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 25             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 32             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 33             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 35             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 39             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 4              |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 40             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 44             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 45             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 48             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 49             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 50             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 51             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 52             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 57             |           |                    |
|          |                   |        |            |             |              |            | QC 2 - 62             |           |                    |



Container No: S226787



Part: D4148-3

Job No: 198580

Serial No/Batch: S226787

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.  
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CANADA  
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Email: sales@dartaero.com  
www.dartaerospace.com

Date: 10/28/19

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|     |                             |        |        |           |                         |
|-----|-----------------------------|--------|--------|-----------|-------------------------|
|     |                             |        |        | QC 2 - 63 |                         |
|     |                             |        |        | QC 2 - 8  |                         |
|     |                             |        |        | QC 2 - 66 |                         |
|     |                             |        |        | QC 2 - 64 |                         |
|     |                             |        |        | QC 2 - 65 |                         |
|     |                             |        |        | QC 2 - 5  |                         |
|     |                             |        |        | QC 2 - 71 |                         |
|     |                             |        |        | QC 2 - 73 |                         |
|     |                             |        |        | QC 2 - 69 |                         |
| 130 | QC 8                        | 40 pcs | 9/9/19 | 0.00 0.00 | QC 8 - 12               |
|     |                             |        |        |           | QC 8 - 14               |
|     |                             |        |        |           | QC 8 - 17               |
|     |                             |        |        |           | QC 8 - 20               |
|     |                             |        |        |           | QC 8 - 25               |
|     |                             |        |        |           | QC 8 - 3                |
|     |                             |        |        |           | QC 8 - 32               |
|     |                             |        |        |           | QC 8 - 33               |
|     |                             |        |        |           | QC 8 - 35               |
|     |                             |        |        |           | QC 8 - 39               |
|     |                             |        |        |           | QC 8 - 4                |
|     |                             |        |        |           | QC 8 - 44               |
|     |                             |        |        |           | QC 8 - 45               |
|     |                             |        |        |           | QC 8 - 49               |
|     |                             |        |        |           | QC 8 - 58               |
|     |                             |        |        |           | QC 8 - 8                |
|     |                             |        |        |           | QC 8 - 9                |
|     |                             |        |        |           | QC 8 - 68               |
|     |                             |        |        |           | QC 8 - 67               |
|     |                             |        |        |           | QC 8 - 1 (A)            |
|     |                             |        |        |           | QC 8 - 47               |
|     |                             |        |        |           | QC 8 - 40               |
|     |                             |        |        |           | QC 8 - 52               |
|     |                             |        |        |           | QC 8 - 23               |
|     |                             |        |        |           | QC 8 - 57               |
| 170 | Packaging 3-1 - Stock - B4B | 40 pcs | 9/9/19 | 0.00 0.00 | Packaging 3 - 1 - B4B   |
|     |                             |        |        |           | Packaging 3 - 2 - B4B   |
|     |                             |        |        |           | Packaging 3 - 3 - B4B ✓ |
|     |                             |        |        |           | Packaging 3 - 4 - B4B   |
|     |                             |        |        |           | Packaging 3 - 5 - B4B   |
|     |                             |        |        |           | Packaging 3 - 6 - B4B   |
|     |                             |        |        |           | Packaging 3 - 7 - B4B   |
|     |                             |        |        |           | Packaging 3 - 8 - B4B   |
|     |                             |        |        |           | Packaging 3 - 9 - B4B   |
|     |                             |        |        |           | Packaging 3 - 10 - B4B  |
|     |                             |        |        |           | Packaging 3 - 11 - B4B  |
|     |                             |        |        |           | Packaging 3 - 12 - B4B  |
|     |                             |        |        |           | Packaging 3 - 13 - B4B  |
|     |                             |        |        |           | Packaging 3 - 14 - B4B  |
|     |                             |        |        |           | Packaging 3 - 15 - B4B  |
|     |                             |        |        |           | Packaging 3 - 16 - B4B  |
|     |                             |        |        |           | Packaging 3 - 17 - B4B  |
|     |                             |        |        |           | Packaging 3 - 18 - B4B  |
|     |                             |        |        |           | Packaging 3 - 19 - B4B  |
|     |                             |        |        |           | Packaging 3 - 20 - B4B  |
|     |                             |        |        |           | Packaging 3 - 21 - B4B  |
|     |                             |        |        |           | Packaging 3 - 22 - B4B  |
|     |                             |        |        |           | Packaging 3 - 23 - B4B  |
|     |                             |        |        |           | Packaging 3 - 24 - B4B  |
|     |                             |        |        |           | Packaging 3 - 25 - B4B  |

made 19/11/05

18 Pcs

NOV 11 2019

Oscar

ST080

7/31/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  |                        |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|------------------|------------------------|-------|
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 26 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 27 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 28 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 29 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 30 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 31 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 32 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 33 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 34 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 35 - B4B |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | Packaging 3 - 36 - B4B |       |
| 180 QC 21 - SA                                                                                                                                                                                                                                                                                                                         | 40 pcs                | 9/9/19               | 0.00 0.00        | QC 21 - SA - 21 ✓      | ST080 |
| NOV 11 2019 18 PCS                                                                                                                                                                                                                                                                                                                     |                       |                      |                  | QC 21 - SA - 70        |       |
|                                                                                                                                                                                                                                                                                                                                        |                       |                      |                  | QC 21 - SA - 53        |       |
| Part Op 100 - (Bandsaw) 5.350" LONG<br>Descriptions: 110 - (HAAS CNC Vertical Machine) MACHINE AS PER FOLI FA944 AND DWG<br>120 - (QC2- Inspect parts off machine FAI/FAIB)<br>130 - (QC8- Inspect parts - second check)<br>170 - (Identify as per dwg & Stock Location: _____)<br>180 - (QC21- Final Inspection - Work Order Release) |                       |                      |                  |                        |       |
| <b>Job BOM</b>                                                                                                                                                                                                                                                                                                                         |                       |                      |                  |                        |       |
| <b>Part / Item</b>                                                                                                                                                                                                                                                                                                                     | <b>Component Name</b> | <b>Quantity</b>      | <b>Operation</b> | <b>Container</b>       |       |
| M303B1.000X3.000                                                                                                                                                                                                                                                                                                                       | 303 Bar 1" X 3'       | 18.1200 ft (.453 ea) | 100-Bandsaw - 1  | 5207686                |       |
| <b>Job Allocations</b>                                                                                                                                                                                                                                                                                                                 |                       |                      |                  |                        |       |
| <b>Operation</b>                                                                                                                                                                                                                                                                                                                       | <b>Component Part</b> | <b>Required</b>      | <b>Inventory</b> | <b>Allocated</b>       |       |
| 100-Bandsaw - 1                                                                                                                                                                                                                                                                                                                        | M303B1.000X3.000      | 18                   | 8                | 0                      |       |
| <b>Part Specifications</b>                                                                                                                                                                                                                                                                                                             |                       |                      |                  |                        |       |
| Specifications could not be found.                                                                                                                                                                                                                                                                                                     |                       |                      |                  |                        |       |

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$$5207686(77") + 75" + 75" =$$

## FIRST ARTICLE INSPECTION CHECKLIST

|              |            |             |          |                       |  |
|--------------|------------|-------------|----------|-----------------------|--|
| Measured by: | 20<br>9-89 | Audited by: | 9/11/05  | Preliminary Approval: |  |
| Date:        | 19-10-29   | Date:       | 19/11/05 | Date:                 |  |



Entered: \_\_\_\_\_ Date: \_\_\_\_\_

# WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only

NCR No. \_\_\_\_\_

|                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Job: _____                                                                                                                                                                                                                                                                                                                                                     |                   | DISPOSITION                                                                                                                                                                                                                                                                                            |  | DEPARTMENT/PROCESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Part No. _____                                                                                                                                                                                                                                                                                                                                                 |                   | Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/>                                                                                                                                                                                                |  | Cross tube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/><br>Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Large Fab <input type="checkbox"/><br>Eng. (Non-AW) <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/><br>Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> |  |
| Date: _____                                                                                                                                                                                                                                                                                                                                                    | Sequence #: _____ | QTY Affected: _____                                                                                                                                                                                                                                                                                    |  | MRB (QS1042)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                               |                   | Disposition                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Root Cause                                                                                                                                                                                                                                                                                                                                                     |                   | FAULT CATEGORY                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                   | Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/><br>Mislabeled <input type="checkbox"/>         |  | Contamination <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Incomplete/Unclear Instructions <input type="checkbox"/><br>Drill Holes <input type="checkbox"/><br>Fit/Function <input type="checkbox"/>                                                                                                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                |                   | Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain Direction <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set/Set-up <input type="checkbox"/> |  | Positioned Wrong <input type="checkbox"/><br>Outside Tolerance <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Misread <input type="checkbox"/>                                                                                                                                                                                                                                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                |                   | Other/Details: _____                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |